



IBEX Model TS-100

9-Track Magnetic Tape Subsystem for the IBM® Personal Computer

The heart of the IBEX TS-100 is an intelligent interface that utilizes a Z-80B microprocessor, and proprietary firmware to provide data transfer between an IBM Personal Computer and an IBM mainframe-compatible 9-track tape drive with an imbedded formatter. Included with the hardware is the system software interface package, PC-TIP (Tape Interchange Program). Utilizing PC-TIP, the user may freely transfer data between the IBM Personal Computer and a 9-track tape drive.

- Interfaces IBM Personal Computer to mainframe-compatible 9-track tape drive.
- Up to 42 megabytes of backup and working storage.
- Can read tapes created on other computers and can write tapes to be read on other computers.
- High-speed disk-to-tape transfer.
- IBM compatible ASCII-to-EBCDIC conversion.
- On-board 9K buffer.

The controller occupies a single slot on the PC Bus, and is interfaced directly to the 9-track tape drive via two 50-conductor cables. PC-TIP is distributed on a single 5¼-inch DOS-compatible floppy disk.

The IBEX 9-track tape subsystem is both self-loading and self-threading for ease of use. In conjunction with the controller, it provides high-speed disk-to-tape transfer rates of 6 megabytes per minute, with up to 42 megabytes of data storage per tape. The tape unit supports 1600 BPI tapes, with user-specified recording formats from 128 bytes to 9 Kbytes per block. The tape drive will accept all standard 9-track tape drive reel sizes up to 10½ inches in diameter.

The entire subsystem includes:

- Controller PCBA
- Hardware installation guide.
- PC-TIP software and user's manual.
- Pertec FS 1611 9-track tape drive with required cables.

SOFTWARE SUPPORT

PC-TIP (TAPE INTERCHANGE PACKAGE)–

Each IBEX subsystem includes a single-density 5¼-inch diskette containing three comprehensive programs and two utilities that allow the user to read, write or inspect a 9-track tape.

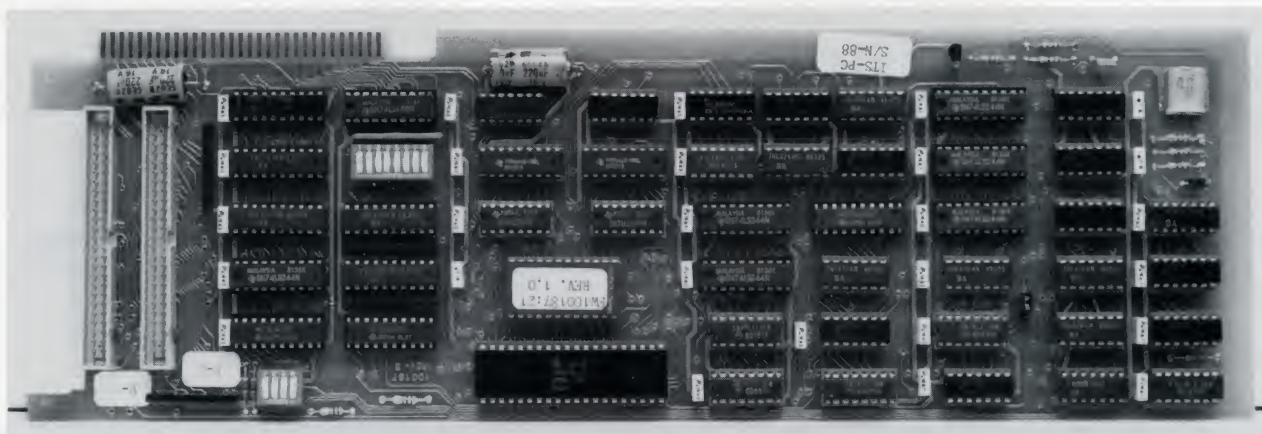
TREAD.CMD–A tape-to-disk copy/conversion program which will read ANSI compatible data records from the 9-track tape and convert them to DOS compatible ASCII disk records, and store them on disk. This program allows for conversion of data records from EBCDIC to ASCII format, record segmentation of user's choice, and user-specified file name and disk selection.

TWRITE.CMD–The counterpart of TREAD, TWRITE is a disk-to-tape copy/conversion program. TWRITE copies DOS compatible disk files to tape in ANSI compatible format. This program allows for ASCII to EBCDIC format, and a user-specified tape record structure.

TDUMP.CMD–This program allows the user to dump the contents of a 9-track tape to either the user's console, or to the system printer. This utility is extremely useful to determine the format in which a tape has been written.

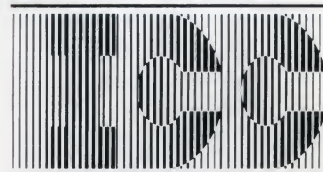
TUTIL.A86–Tape control subroutines that are used in the three programs mentioned above. Utilizing these subroutines, the user can easily interact with the tape drive without having to write complex control routines. This utility is included in the PC-TIP software package to allow the user to develop his own customized tape control software.

TLINK.EXE–This utility module is supplied in .EXE format for insertion into BASIC programs. The .EXE format module may be linked into a BASIC program by the user to create simple, yet powerful customized tape control programs.



WARRANTY POLICY

For a period of 6 months from the date of purchase, IBEX will repair or replace defective equipment within 15 days from receipt, in accordance with the Terms and Conditions of the IBEX Standard Warranty Policy. The user merely pays the freight cost for both the shipment of the new or replacement unit, as well as the return of the defective unit.



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